| | | | mage Doc. Displayed | PT |
|---|---------|----|------------------------|----|
| 1 | / \\ | US | 20030053513 | |
| 2 | | us | 20030137022 | 叉 |
| 3 | | US | 20030081645 | × |
| 4 | | us | 6636540 | Ø |
| 5 | | us | 6597713 | × |

| | Current XRef | Retrieval Classif | Inventor | s | С | P | 2 | 3 | 4 | 5 |
|---|-------------------|----------------------|--------------------------------------|---|---|---|---|---|---|---|
| 1 | 385/93 | | Vatan, Pirooz et al. | ⊠ | | | | | | |
| 2 | | | Dautartas, Mindaugas F. et al. | ☒ | | | | | | |
| 3 | 372/93; 372/99 | | Uebbing, John J. | ☒ | | | | | | |
| 4 | 372/50 | | Uebbing, John J | Ø | | | | | | |
| 5 | 372/50 | | Ouchi, Toshihiko | ⊠ | | | | | | |

| | Туре | L : | # Hits | Search Text | DBs | Time Stamp | Comment |
|----|------|-----|--------|--|----------------------------|----------------------|---------|
| 1 | BRS | L1 | 259 | <pre>(compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2))</pre> | USPA T; US-P GPUB | 2004/02/2 6 14:03 | |
| 2 | BRS | L2 | 96 | Ll and ((optic\$4 near3 (fiber\$2 or cable or bundle)) with connect\$6) | | 2004/02/2 6 14:03 | |
| 3 | BRS | L3 | 0 | L2 and ((transparent near4 window\$2) with (conduct\$4 near3 (trace\$2 or line\$2 or connect\$6)) with (hermet\$7 near4 seal\$3)) | USPA T; US-P GPUB | 2004/02/2 6 13:18 | |
| 4 | BRS | L4 | 0 | L2 and ((transparent near4 window\$2) with (conduct\$4 near3 (trace\$2 or line\$2 or connect\$6))) | USPA T; US-P GPUB | 2004/02/2 6 13:18 | |
| 5 | BRS | L5 | 0 | L1 and ((transparent near4 window\$2) with (conduct\$4 near3 (trace\$2 or line\$2 or connect\$6))) | USPA T; US-P GPUB | 2004/02/2 6 13:19 | |
| 6 | BRS | L6 | 0 | L2 and (window\$2 with (conduct\$4 near3 (trace\$2 or line\$2 or connect\$6))) | T; | 2004/02/2 6 13:19 | |
| 7 | BRS | L7 | 3 | Ll and (window\$2 with (conduct\$4 near3 (trace\$2 or line\$2 or connect\$6))) | T; | 2004/02/2 6 13:32 | |
| 8 | BRS | L10 | 2 | L9 and ((optic\$4 near3 (fiber\$2 or cable or bundle)) with connect\$6) | USPA T; US-P GPUB | 2004/02/2 6 13:26 | |
| 9 | BRS | L9 | 3 | L8 and (compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2)) | USPA T; US-P GPUB | 2004/02/2 6 13:27 | |
| 10 | BRS | L8 | 3 | 20030015776.pn. or 20030026303.pn. or 6674159.pn. | USPA T; US-P GPUB | 2004/02/2 6 13:30 | |

| | Error Definition | Er ro rs |
|----|---------------------|----------------|
| 1 | | 0 |
| 2 | | 0 |
| 3 | | 0 |
| 4 | | 0 |
| 5 | | |
| 6 | | 0 |
| 7 | | 0 |
| 8 | | 0 |
| 9 | | 0 |
| 10 | | 0 |

| | Туре | L # | Hits | Search Text | DBs | Time Stamp | Comment |
|----|------|-------------|-------|---|----------------------------|----------------------|---------|
| 11 | BRS | L13 | 0 | L11 and ((ceramic or metal\$5) with (opto adj electronic\$2)) | USPA T; US-P GPUB | 2004/02/2 6 13:37 | |
| 12 | BRS | L12 | 5 | L11 and (ceramic or metal\$5) | | 2004/02/2 6 13:35 | |
| 13 | BRS | L14 | 0 | L11 and (opto adj electronic\$2) | US-P GPUB | 2004/02/2 6 13:37 | |
| 14 | BRS | L 15 | 0 | Ll1 and (micro adj lens\$2 adj array\$2) | US-P GPUB | 2004/02/2 6 13:38 | |
| 15 | BRS | L16 | 0 | Ll1 and (photo adj detector\$2) | | 2004/02/2 6 13:39 | |
| 16 | BRS | L17 | 1 | L11 and (integrat\$4 near3 optic\$2) | | 2004/02/2 6 13:40 | |
| 17 | BRS | L11 | 5 | 17 OR 110 OR 19 OR 18 | USPA T; US-P GPUB | 2004/02/2 6 13:41 | |
| 18 | BRS | L18 | 1082 | 385/147.ccls. | | 2004/02/2 6 14:00 | |
| 19 | BRS | L19 | 3901 | 372/29.013,29.022,36, 50,98,99,109.ccls. | USPA T; US-P GPUB | 2004/02/2 6 14:01 | |
| 20 | BRS | L20 | 8570 | 257/431-434,678,680,6 90,693,703-706,729-73 1,778-780.ccls. | USPA T; US-P GPUB | 2004/02/2 6 14:02 | |
| 21 | BRS | L21 | 6879 | 438/106-116,121-129.c cls. | USPA T; US-P GPUB | 2004/02/2 6 14:02 | |
| 22 | BRS | L22 | 19448 | 118 OR 119 OR 120 OR 121 | USPA T; US-P GPUB | 2004/02/2 6 14:02 | |

| | Error Definition | Er ro rs |
|----|---------------------|----------------|
| 11 | | 0 |
| 12 | | 0 |
| 13 | | 0 |
| 14 | | 0 |
| 15 | | 0 |
| 16 | | 0 |
| 17 | | 0 |
| 18 | | 0 |
| 19 | | 0 |
| 20 | | 0 |
| 21 | | 0 |
| 22 | | 0 |

| | Туре | L# | Hits | Search Text | DBs | Time Stamp | Comment |
|----|------|-----|------|---|----------------------------|----------------------|---------|
| 23 | BRS | L23 | 47 | L22 and (compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2)) | | 2004/02/2 6 15:11 | |
| 24 | BRS | L24 | 7 | L23 and ((optic\$4 near3 (fiber\$2 or cable or bundle)) with connect\$6) | USPA T; US-P GPUB | 2004/02/2 6 14:05 | |
| 25 | BRS | L25 | 5 | L24 not L11 | USPA T; US-P GPUB | 2004/02/2 6 14:27 | |
| 26 | BRS | L26 | 1 | L25 and (sub adj mount\$4) | USPA T; US-P GPUB | 2004/02/2 6 14:29 | |
| 27 | BRS | L27 | 1 | L25 and (micro adj lens\$2 adj array) | USPA T; US-P GPUB | 2004/02/2 6 14:33 | |
| 28 | BRS | L28 | 3 | L25 and (detector or CCD) | USPA T; US-P GPUB | 2004/02/2 6 14:33 | |
| 29 | BRS | L29 | 172 | L22 and ((385/88,92,93,94).cc ls.) | USPA T; US-P GPUB | 2004/02/2 6 15:10 | |
| 30 | BRS | L30 | 1 | L29 and (compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2)) | USPA T; US-P GPUB | 2004/02/2 6 15:11 | |

| | Error Definition | Er ro rs |
|----|---------------------|----------------|
| 23 | | 0 |
| 24 | | 0 |
| 25 | | 0 |
| 26 | | 0 |
| 27 | | 0 |
| 28 | | 0 |
| 29 | | 0 |
| 30 | | 0 |

| L | Hits | Search Text | DB | Time stamp |
|----------|-------------|--|---------------------------------------|------------|
| Number | | | | 2224/22/25 |
| 1 | 259 | | USPAT; | 2004/02/26 |
| | | housing)) and (VCSEL or (vertical adj | US-PGPUB | 14:03 |
| | | cavity adj surface adj emit\$6 adj | | |
| 1 | 96 | 1 ''' | USPAT; | 2004/02/26 |
| 2 | 96 | ((compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj | US-PGPUB | 14:03 |
| | | cavity adj surface adj emit\$6 adj | 05 19105 | 11.05 |
| | | laser\$2))) and ((optic\$4 near3 (fiber\$2 | | |
| | | or cable or bundle)) with connect\$6) | | |
| 3 | 0 | | USPAT; | 2004/02/26 |
| | | housing)) and (VCSEL or (vertical adj | US-PGPUB | 13:18 |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) and ((optic\$4 near3 (fiber\$2 | | : |
| | | or cable or bundle)) with connect\$6)) and | | |
| | | ((transparent near4 window\$2) with | | |
| | | (conduct\$4 near3 (trace\$2 or line\$2 or | | |
| | | connect\$6)) with (hermet\$7 near4 seal\$3)) | | |
| 4 | 0 | 1 , , , = | USPAT; | 2004/02/26 |
| | | housing)) and (VCSEL or (vertical adj | US-PGPUB | 13:18 |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) and ((optic\$4 near3 (fiber\$2 | | |
| | | or cable or bundle)) with connect\$6)) and ((transparent near4 window\$2) with | | |
| | | ((transparent hear4 window32) with (conduct\$4 near3 (trace\$2 or line\$2 or | | |
| | | connect\$6))) | | |
| 5 | l 0 | 1 | USPAT; | 2004/02/26 |
| " | Ĭ | housing)) and (VCSEL or (vertical adj | US-PGPUB | 13:19 |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) and ((transparent near4 | | |
| | | window\$2) with (conduct\$4 near3 (trace\$2 | | |
| | ļ | or line\$2 or connect\$6))) | | |
| 6 |) 0 | | USPAT; | 2004/02/26 |
| | i | housing)) and (VCSEL or (vertical adj | US-PGPUB | 13:19 |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) and ((optic\$4 near3 (fiber\$2 | * | |
| 1 | | or cable or bundle)) with connect\$6)) and (window\$2 with (conduct\$4 near3 (trace\$2 | | |
| | | or line\$2 or connect\$6))) | | |
| 7 | 3 | | USPAT; | 2004/02/26 |
| ' | | housing)) and (VCSEL or (vertical adj | US-PGPUB | 13:32 |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) and (window\$2 with (conduct\$4 | | |
| | | near3 (trace\$2 or line\$2 or connect\$6))) | | |
| 10 | 2 | ((20030015776.pn. or 20030026303.pn. or | USPAT; | 2004/02/26 |
| | 1 | 6674159.pn.) and (compact near4 (packag\$6 | US-PGPUB | 13:26 |
| | 1 | or can or housing)) and (VCSEL or | 1 | |
| | | (vertical adj cavity adj surface adj | 1 | |
| | | emit\$6 adj laser\$2))) and ((optic\$4 | | |
| | | near3 (fiber\$2 or cable or bundle)) with | | |
| 1 | _ | connect\$6) | IIGDAM: | 2004/02/26 |
| 9 | 3 | 1 (= | USPAT; | 13:27 |
| | [| 6674159.pn.) and (compact near4 (packag\$6 | US-PGPUB | 13.21 |
| | | or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj | | |
| | | emit\$6 adj laser\$2)) | | |
| 8 | 3 | | USPAT; | 2004/02/26 |
| - |] | 6674159.pn. | US-PGPUB | 13:30 |
| <u> </u> | | | · · · · · · · · · · · · · · · · · · · | · |

| | | 1 | l transm | |
|----|---|--|--------------------|------------------|
| 13 | 0 | ((((compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2))) and (window\$2 with (conduct\$4 near3 (trace\$2 or line\$2 or connect\$6)))) OR (((20030015776.pn. or 20030026303.pn. or 6674159.pn.) and (compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2))) and ((optic\$4 near3 (fiber\$2 or cable or bundle)) with connect\$6)) OR ((20030015776.pn. or 20030026303.pn. or 6674159.pn.) and (compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2))) OR (20030015776.pn. or 20030026303.pn. or 6674159.pn.)) and ((ceramic or metal\$5) with (opto adj electronic\$2)) | US-PGPUB | 2004/02/26 |
| 12 | 5 | ((((compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2))) and (window\$2 with (conduct\$4 near3 (trace\$2 or line\$2 or connect\$6)))) OR (((20030015776.pn. or 20030026303.pn. or 6674159.pn.) and (compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2))) and ((optic\$4 near3 (fiber\$2 or cable or bundle)) with connect\$6)) OR ((20030015776.pn. or 20030026303.pn. or 6674159.pn.) and (compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2))) OR (20030015776.pn. or 20030026303.pn. or 6674159.pn.)) and (ceramic or metal\$5) | USPAT; US-PGPUB | 2004/02/26 13:35 |
| 14 | 0 | l ' | USPAT; US-PGPUB | 2004/02/26 13:37 |

| | T | | IICDAE. | 1 2004/02/26 |
|-----|---|--|--------------------|---------------------|
| 15 | 0 | ((((compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj | USPAT; US-PGPUB | 2004/02/26 13:38 |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) and (window\$2 with (conduct\$4 | | |
| | | near3 (trace\$2 or line\$2 or connect\$6)))) | | |
| | | OR (((20030015776.pn. or 20030026303.pn. | | |
| | | or 6674159.pn.) and (compact near4 | | |
| | | (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj | | |
| | | emit\$6 adj laser\$2))) and ((optic\$4 | | |
| | | near3 (fiber\$2 or cable or bundle)) with | | |
| | | connect\$6)) OR ((20030015776.pn. or | | |
| | | 20030026303.pn. or 6674159.pn.) and | | |
| | | (compact near4 (packag\$6 or can or | | |
| | | housing)) and (VCSEL or (vertical adj | | |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) OR (20030015776.pn. or | | |
| | | 20030026303.pn. or 6674159.pn.)) and | | |
| : | | (micro adj lens\$2 adj array\$2) | | |
| 16 | 0 | 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | USPAT; | 2004/02/26 |
| | | housing)) and (VCSEL or (vertical adj | US-PGPUB | 13:39 |
| | | cavity adj surface adj emit\$6 adj | | |
| - | | <pre>laser\$2))) and (window\$2 with (conduct\$4 near3 (trace\$2 or line\$2 or connect\$6))))</pre> | | |
| | | OR (((20030015776.pn. or 20030026303.pn. | | |
| | | or 6674159.pn.) and (compact near4 | | |
| | | (packag\$6 or can or housing)) and (VCSEL | | |
| | | or (vertical adj cavity adj surface adj | | |
| | | emit\$6 adj laser\$2))) and ((optic\$4 | i | |
| | | near3 (fiber\$2 or cable or bundle)) with | | |
| | | connect\$6)) OR ((20030015776.pn. or | | |
| | | 20030026303.pn. or 6674159.pn.) and | 1 | |
| | | (compact near4 (packag\$6 or can or | | |
| | | housing)) and (VCSEL or (vertical adj | | |
| | | cavity adj surface adj emit\$6 adj | | 1 |
| | | laser\$2))) OR (20030015776.pn. or | | |
| t | | 20030026303.pn. or 6674159.pn.)) and | | |
| 17 | 1 | <pre>(photo adj detector\$2) ((((compact near4 (packag\$6 or can or</pre> | USPAT; | 2004/02/26 |
| 1 / | 1 | housing)) and (VCSEL or (vertical adj | US-PGPUB | 13:40 |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) and (window\$2 with (conduct\$4 | | |
| | | <pre>near3 (trace\$2 or line\$2 or connect\$6))))</pre> | | |
| | | OR (((20030015776.pn. or 20030026303.pn. | | |
| | | or 6674159.pn.) and (compact near4 | | |
| | | (packag\$6 or can or housing)) and (VCSEL | | |
| | | or (vertical adj cavity adj surface adj | | |
| | | emit\$6 adj laser\$2))) and ((optic\$4 | | |
| | | near3 (fiber\$2 or cable or bundle)) with connect\$6)) OR ((20030015776.pn. or | | |
| | | 20030026303.pn. or 6674159.pn.) and | | |
| | | (compact near4 (packag\$6 or can or | | |
| | | housing)) and (VCSEL or (vertical adj | | |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) OR (20030015776.pn. or | | |
| | | 20030026303.pn. or 6674159.pn.)),and | | |
| | | (integrat\$4 near3 optic\$2) | | |

| 11 | 5 | (((compact near4 (packag\$6 or can or | USPAT; | 2004/02/26 |
|-----|-------|--|--------------------|---------------------|
| | | housing)) and (VCSEL or (vertical adj | US-PGPUB | 13:41 |
| 1 | | cavity adj surface adj emit\$6 adj | | |
| 1 | | laser\$2))) and (window\$2 with (conduct\$4 | | |
| | | near3 (trace\$2 or line\$2 or connect\$6)))) | | |
| | | OR (((20030015776.pn. or 20030026303.pn. | | |
| | | or 6674159.pn.) and (compact near4 | | |
| | | (packag\$6 or can or housing)) and (VCSEL | | |
| | | or (vertical adj cavity adj surface adj emit\$6 adj laser\$2))) and ((optic\$4 | | |
| | | near3 (fiber\$2 or cable or bundle)) with | | |
| | | connect\$6)) OR ((20030015776.pn. or | | |
| | | 20030026303.pn. or 6674159.pn.) and | | |
| | | (compact near4 (packag\$6 or can or | | |
| | | housing)) and (VCSEL or (vertical adj | | |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) OR (20030015776.pn. or | | |
| | | 20030026303.pn. or 6674159.pn.) | | |
| 18 | 1082 | 385/147.ccls. | USPAT; | 2004/02/26 |
| | | 070 /00 010 00 000 06 50 00 00 100 00 1 | US-PGPUB | 14:00 |
| 19 | 3901 | 372/29.013,29.022,36,50,98,99,109.ccls. | USPAT; | 2004/02/26 14:01 |
| 20 | 8570 | 257/431-434,678,680,690,693,703-706,729-73 | US-PGPUB | |
| 20 | 8370 | 25//431-434,676,860,890,893,703-708,729-73 | US-PGPUB | 14:02 |
| 21 | 6879 | 438/106-116,121-129.ccls. | USPAT; | 2004/02/26 |
| | 00,5 | 130, 100 110, 121 123. 3325. | US-PGPUB | 14:02 |
| 22 | 19448 | 385/147.ccls. OR | USPAT; | 2004/02/26 |
| | | 372/29.013,29.022,36,50,98,99,109.ccls. | US-PGPUB | 14:02 |
| | | OR | | |
| | | 257/431-434,678,680,690,693,703-706,729-73 | 1,778-780.cd | |
| 23 | 47 | | USPAT; | 2004/02/26 |
| | | 372/29.013,29.022,36,50,98,99,109.ccls. | US-PGPUB | 15:11 |
| | | OR | 1 770 700 | a |
| | | 257/431-434,678,680,690,693,703-706,729-73 OR 438/106-116,121-129.ccls.) and | 1,//8-/80.60 | ls. |
| | | (compact near4 (packag\$6 or can or | | |
| 24 | 7 | hotes heary (package of can of hotes hotes (VOREL or (vertical adj | USPAT; | 2004/02/26 |
| 23 | , | 322129.833, 39rf32e36d50e88t99, 369.ccls. | US-PGPUB | 14:05 |
| | | Daser\$2)) | | |
| | | 257/431-434,678,680,690,693,703-706,729-73 | 1,778-780.cd | ls. |
| | | OR 438/106-116,121-129.ccls.) and | | |
| | | (compact near4 (packag\$6 or can or | | |
| | | housing)) and (VCSEL or (vertical adj | | |
| 0.5 | _ | cavity adj surface adj emit\$6 adj | HCD2M. | 2004/02/26 |
| 25 | 5 | [4\$68\$21\$7)cahd.(QBptic\$4 near3 (fiber\$2 | USPAT; US-PGPUB | 2004/02/26 |
| | | 372¢2B1013;2Bufid2;35, wath8;06ne08\$6¢ls. | US FGFUB | 14:27 |
| | | 257/431-434,678,680,690,693,703-706,729-73 | l 1,778-780.cd | ls. |
| | | OR 438/106-116,121-129.ccls.) and | | |
| | | (compact near4 (packag\$6 or can or | | |
| | | housing)) and (VCSEL or (vertical adj | | |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) and ((optic\$4 near3 (fiber\$2 | | |
| | | or cable or bundle)) with connect\$6)) not | | |
| | | ((((compact near4 (packag\$6 or can or | | |
| | | housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) and (window\$2 with (conduct\$4 | | |
| | | near3 (trace\$2 or line\$2 or connect\$6)))) | | |
| | | OR (((20030015776.pn. or 20030026303.pn. | | |
| | | or 6674159.pn.) and (compact near4 | | |
| | | (packag\$6 or can or housing)) and (VCSEL | | |
| | | or (vertical adj cavity adj surface adj | | |
| | | emit\$6 adj laser\$2))) and ((optic\$4 | | L |
| | | near3 (fiber\$2 or cable or bundle)) with | | |

near3 (fiber\$2 or cable or bundle)) wit connect\$6)) OR ((20030015776.pn. or 20030026303.pn. or 6674159.pn.) and (compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2)) OR (20030015776.pn. or 20030026303.pn. or 6674159.pn.))

| 7 | | 1/1//205/147 | TIGDAG | 1 2004 /02 /25 |
|-----|-------------|--|--------------------|---------------------|
| 26 | 1 | ((((385/147.ccls. OR 372/29.013,29.022,36,50,98,99,109.ccls. | USPAT; US-PGPUB | 2004/02/26 14:29 |
| | | OR | OSTGIOD | 11.25 |
| | | 257/431-434,678,680,690,693,703-706,729-73 | 1,778-780.cd | ls. |
| | | OR 438/106-116,121-129.ccls.) and | | İ |
| | | (compact near4 (packag\$6 or can or | | |
| | | housing)) and (VCSEL or (vertical adj | | |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) and ((optic\$4 near3 (fiber\$2 | | |
| | | or cable or bundle)) with connect\$6)) not | | |
| | | ((((compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj | | |
| | | cavity adj surface adj emit\$6 adj | Ì | |
| | | laser\$2))) and (window\$2 with (conduct\$4 | | |
| | | near3 (trace\$2 or line\$2 or connect\$6)))) | | |
| | | OR (((20030015776.pn. or 20030026303.pn. | | |
| | | or 6674159.pn.) and (compact near4 | | |
| | | (packag\$6 or can or housing)) and (VCSEL | i | |
| | | or (vertical adj cavity adj surface adj | | |
| | | emit\$6 adj laser\$2))) and ((optic\$4 | | |
| | | near3 (fiber\$2 or cable or bundle)) with | ************* | 2004/02/26 |
| 27 | 1 | ¢φήήθ86\$647.0Rl\$(20β30015776.pn. or | USPAT; | 2004/02/26 |
| | | 2003092639329n020r36696199,98,109ndcls. | US-PGPUB | 14:33 |
| | | M5Us41dg+434nd78V680L600, 69art03a106d729-73 | 1.778-780.cd | 115. |
| | | ORV489/ \pm 05- \pm 06f \pm 22- \pm 29.emls\$ \pm 6 and | [|] |
| | | Icompact)neach (packag\$5706.pan or | | |
| ŀ | | 2003003530andn(VOSE663#159epnical add | | |
| | | ¢aubtwdadnount\$4¢e adj emit\$6 adj | | |
| ŀ | | laser\$2))) and ((optic\$4 near3 (fiber\$2 | | |
| | | or cable or bundle)) with connect\$6)) not | | |
| | | ((((compact near4 (packag\$6 or can or housing)) and (VCSEL or (vertical adj | | |
| | | cavity add surface adj emit\$6 adj | | |
| | | laser\$2))) and (window\$2 with (conduct\$4 | | |
| | | near3 (trace\$2 or line\$2 or connect\$6)))) | | |
| | | OR (((20030015776.pn. or 20030026303.pn. | | |
| | | or 6674159.pn.) and (compact near4 | | |
| | | (packag\$6 or can or housing)) and (VCSEL |] | |
| | | or (vertical adj cavity adj surface adj | | |
| | | emit\$6 adj laser\$2))) and ((optic\$4 | | |
| 28 | 3 | near3 (fiber\$2 or cable or bundle)) with ¢omma85\$547.081\$(20830015776.pn. or | USPAT; | 2004/02/26 |
| 20 | 3 | 2003002636329n022r36650159,98,10andcls. | US-PGPUB | 14:33 |
| | | OROmpact near4 (packag\$6 or can or | | |
| | | B5Us4Bg+43And78y68BL600,698rtD3aI06d729-73 | 1,778-780.cd | ls. |
| | | ORV489/406-106f124-129.emls\$6 add | | |
| | | leompact)neaon (packag\$5706.pan or | | |
| | | Red30fg630andn (Vosef67\$159epnica) add | | |
| | | cavity adj sumsaceadjaemays6 adj | | |
| | | laser\$2))) and ((optic\$4 near3 (fiber\$2 or cable or bundle)) with connect\$6)) not | | |
| | | or cable or bundle)) with connect;6)) not ((((compact near4 (packag\$6 or can or | | |
| | | ((((compact hear4 (packag; of can of housing)) and (VCSEL or (vertical adj | | |
| | | cavity adj surface adj emit\$6 adj | | |
| | | laser\$2))) and (window\$2 with (conduct\$4 | | |
| | | near3 (trace\$2 or line\$2 or connect\$6)))) | | |
| | | OR (((20030015776.pn. or 20030026303.pn. | 1 | |
| | | or 6674159.pn.) and (compact near4 | 1 | |
| | | (packag\$6 or can or housing)) and (VCSEL | 1 | |
| | | or (vertical adj cavity adj surface adj | | |
| | | emit\$6 adj laser\$2))) and ((optic\$4 near3 (fiber\$2 or cable or bundle)) with | | |
| 29 | 172 | hears (libers2 of Cable of Bundle)) with cable of Bundle) with cable of Bundle) with | USPAT; | 2004/02/26 |
| | 1/2 | 2003092638329n020r36659199,98,109ndcls. | US-PGPUB | 15:10 |
| j l | | ORompact near4 (packag\$6 or can or | | 1 |
| | | B5Us4Bd+434nd78V68BL600,698rtD3aI06d729-73 | 1,778-780.c | dls. |
| | | ORv489/406-306f424-429.emls\$6 add | | |
| | | 74385888192.98.920030035776.pn. or | | |

14385%28)92,98,980036D35776.pn. or 20030026303.pn. or 6674159.pn.))) and (detector or CCD)

| 30 | 1 | ((385/147.ccls. OR | USPAT; | 2004/02/26 |
|----|------|--|--------------|------------|
| | ٠, | 372/29.013,29.022,36,50,98,99,109.ccls. | US-PGPUB | 15:11 |
| | | OR | | |
| | | 257/431-434,678,680,690,693,703-706,729-73 | 1,778-780.cd | ls. |
| | / | OR 438/106-116,121-129.ccls.) and | · | |
| | 1 | ((385/88,92,93,94).ccls.)) and (compact | | |
| | | near4 (packag\$6 or can or housing)) and | | |
| | | (NICCEL / | - | |

(VCSEL or (vertical adj cavity adj surface adj emit\$6 adj laser\$2))

2003 (0053513)